

Benzimidazole, 5-chloro-6-nitro-2-(trifluoromethyl)-

Inchi:	InChI=1S/C8H3ClF3N3O2/c9-3-1-4-5(2-6(3)15(16)17)14-7(13-4)8(10,11)12/h1-2H,(H,13)
InchiKey:	KNWBYYSQLWZITM-UHFFFAOYSA-N
Formula:	C8H3ClF3N3O2
SMILES:	O=[N+]([O-])c1cc2[nH]c(C(F)(F)F)nc2cc1Cl
Mol. weight [g/mol]:	265.58
CAS:	6609-40-1

Physical Properties

Property code	Value	Unit	Source
log10ws	-4.70		Crippen Method
logp	2.661		Crippen Method
mcvol	139.590	ml/mol	McGowan Method

Sources

Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C6609401&Units=SI

Legend

log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume

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